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TWO NEW GUATEMALAN TOURNEFORTIAS
DOROTHY N. GIBSON

A NEW MEMBER OF *MORGANELLA*
PATRICIO PONCE DE LEON

A NEW *ODONTOGLOSSUM* FROM NICARAGUA
ALFONSO H. HELLER

STUDIES IN THE PALM GENUS *SYAGRUS* MART. II
S. F. GLASSMAN

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DOROTHY N. GIBSON
Supervisor of the Herbarium
Field Museum of Natural History

A NEW MEMBER OF *MORGANELLA*

PATRICIO PONCE DE LEON
Assistant Curator, Cryptogamic Herbarium
Field Museum of Natural History

A NEW *ODONTOGLOSSUM* FROM NICARAGUA

ALFONSO H. HELLER
Associate, Field Museum of Natural History

STUDIES IN THE PALM GENUS *SYAGRUS* MART. II

S. F. GLASSMAN
Research Associate, Palms
Field Museum of Natural History
and
University of Illinois, Chicago Circle

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Volume 32, No. 7 August 11, 1969 Publication 1072

A New *Odontoglossum* from Nicaragua

ALFONSO H. HELLER
ASSOCIATE, FIELD MUSEUM OF NATURAL HISTORY

The genus *Odontoglossum* is not a large one in Central America and in Nicaragua. I have recorded only two other species, *O. krameri* Reichb. f. and *O. oerstedii* Reichb. f. Other species are to be expected here as exploration continues.

Odontoglossum subcruciforme Heller

Herbae epiphyticae. Pseudobulbi ovati, compresati, bi- (uni-?)- foliati; folia ligulata, emarginata, obtusa, subcoriacea, basi conduplicati et leviter angustati; inflorescentia racema pauciflora e basi pseudobulbi; flores pedicellati; sepalum dorsale oblanceolatum, acutum; sepala lateralia anguste-lanceolata, acuta vel acuminata; petala elliptico-lanceolata acuminata, breviter unguiculata; labellum trilobatum, subcruciforme, lobi laterales rotundati lobus medianus oblongo-ovatus, acutus; columna brevis, erecta, auriculato-dentata.

Epiphytic herbs, the pseudobulbs borne proximately on a short rhizome, ovoid, compressed, with two prominent ridges on each side, about 6 cm. long and 3.5 cm. broad, pseudobulbs subtended by a basal sheath and by two unequal cataphylls, the outer one smaller, the inner one to 10 cm. long and similar to a normal leaf; leaves one or two from the apex of the pseudobulbs, ligulate, emarginate, obtuse, subcoriaceous, conduplicate and somewhat narrowed to the base, about 15 cm. long and 2.5 cm. broad; inflorescence a few-flowered raceme borne from the base of the pseudobulbs, up to about 45 cm. long, the basal portion with internodes 4–5 cm. long and each with a closely appressed sheath about 1 cm. long; flowers pedicellate, about seven, the pedicels slender, about 2 cm. long, subtending bracts cucullate, ovate, about 4 mm. long; dorsal sepal oblanceolate, acute, about 1.6 cm. long and 0.5 mm. broad; lateral sepals narrowly lanceolate, acute or acuminate, slightly contracted to a claw-like base, about 2.2 cm. long and 0.4–0.5 cm. broad; petals obliquely elliptic-lanceolate, acuminate, short unguiculate at the base, about 1.6 cm. long and 0.5–0.6 cm. broad; lip trilobate, somewhat cruciform, about 1.8 cm. long and 1.2 mm. broad across the lateral lobes, the two prominent auriculate lateral lobes below the middle, rounded, the mid-lobe oblong-ovate, acute, about 9 mm. long and 7 mm. broad, disc with a rounded, sulcate, pubescent callus on the claw of the lip, provided with a pair of central keels each with a lateral horn-like process on the outer side, the callus about 1 cm. long; column short, stout, erect, auriculate-dentate on each side opposite base of stigma; ovary elongating in fruit.

Library of Congress Catalog Card Number: 75–92474

A
D
E
C
B
D.L. SIMON "68"

Nicaragua: epiphyte, flowers brown maculate, Yalí, Dept. Jinotega, alt. 1,100 m., Feb. 1968, flowered in cultivation May 1968, *Heller 11305* (type, F).

This species has the habit of *Odontoglossum stenoglossum* (Schltr.) L. Wms. and *O. pauciflorum* L. Wms., but the structure of the flowers more nearly resembles that of *O. schlieperianum* Reichb. f. and the coloring that of *O. maculatum* Llave & Lex.

The illustration was prepared in Nicaragua from living material, the enlarged flower and lip drawn by Miss Davida Simon from preserved materials.

FIG. 1. *Odontoglossum subcruciforme.* A, habit, × ½; B, flower with labellum pulled downward, × 2; C, labellum, × 3; D, column and lip from side, × 2; E, pollinia, much enlarged.

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